

TOWN OF CHEVERLY

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INVITATION TO BID

Date: 9/10/13

SPECIFICATIONS FOR: One 29 Yard, Cab Over, Diesel Truck P.W. 2013-01

Bid Due Date: 10:00 AM September 24, 2013
(Bids received later will be returned unopened)

Mail or Deliver Dibs (two copies) to: David W. Warrington, Town Administrator
6401 Forest Rd.
Cheverly, MD. 20785

Mark Inner Envelope: Sealed Bid 2013-01 P.W. Refuse Truck

Direct Inquiries Concerning the Specifications to:

Juan Luis Torres
Director of Public Works
Town of Cheverly
6401 Forest Road
Cheverly, MD 20785
301-773-2666, or 2667 Between 7:30 am and 4:00 pm Monday through Friday

Notice to Bidder & Invitation to Bid

The Town of Cheverly Town Administrator will receive sealed proposals for: ONE NEW, SIX SPEED AUTOMATIC TRANSMISSION, DIESEL ENGINE. 29 YARD REFUSE COLLECTION, CAB OVER, HEAVY DUTY TRUCK in accordance with the Town of Cheverly bidding and contract documents and specifications as found in these documents and without deviations until: September 24, 2013 at which time they will be publicly open.

TOWN OF CHEVERLY MAYOR AND TOWN COUNCIL

CONTRACT No. 2013 - 1

Description: One "cab over" red in color, air conditioned, refuse collection truck with a six speed ALLISON automatic transmission, a CUMMINS diesel engine, with a chassis and suspension capable of handling the maximum load capacity of a twenty nine yard Leach 2R-II packer with a dumpster winch and refuse container hydraulic tilter.

The bidding and contract documents may be examined free of charge at 6401 Forest Road Cheverly, MD 20785 between the hours of 9:00 AM and 4:30 PM daily except Saturdays, Sundays, and/or Federal Holidays on and after: 9/17/2013

Each Proposal; must be accompanied by a **CERTIFIED CHECK or BID BOND** made payable to the Town of Cheverly for five (5%) of the total bid.

This invitation To BID can be picked up by all interested companies. The receipt of this invitation to bid from the Town of Cheverly in no way implies that the recipient is a responsible bidder. All bids received will be evaluated based on known previous experience and at the sole discretion of the Town of Cheverly appointed representatives; whose judgment and selection is final.

Please note that the Town of Cheverly through its representatives reserves the right to reject any and all bids and to award, in whole or in part, so as to best serve the interests of the Town.

Bidders Initials and Date: _____.

Pre-bid conference: 9/20/13 10: AM at 6401 Forest Road Cheverly, MD. 20785. (Attendance required in order to bid. Doors shall be closed after Pre-bid conference begins.) Bids shall only be accepted from entities present at the Pre-bid conference.

Date; 9/10/13

BIDDERS QUESTIONNAIRE

Name & Address of Bidder:

Bidders will furnish the following information: list three similar type contracts performed within the last three years:

For Whom Performed	Contract Amount	Date Completed	Contact's Name & Telephone Number
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Bidders will answer the following questions:

1. Have you ever failed to complete any work awarded to you? _____ If yes, state where and why. _____

2. Has any officer or partner of your organization ever been an officer or partner of some other organization that failed to complete a contract? _____ If yes, state name of individual, other organization, and reason therefore. _____

3. Has any officer or partner of your organization every failed to complete a contract handled in that individual's own name? _____ If yes, state name of individual and reason therefore. _____

4. In what other lines of business are you financially interested? _____

5. The work, if awarded to you, will have the personal supervision of whom? _____

6. Do you have, or can you obtain sufficient personnel and equipment to commence work when required by "Instructions to Bidders". _____

BIDDERS QUESTIONNAIRE

7. Name the surety company to whom you intend to apply for a performance bond:

8. What Maryland units of government can you give as a reference? Include the name and telephone number of your contact with the agency.

9. In emergencies, either day or night, what telephone number(s) should be called for immediate action:

Dated this _____ day of _____, 20____

(Name of Bidder)

BY: _____

(Title of person signing)

THE APPROPRIATE SECTION OF THIS PAGE MUST BE SIGNED BY ALL BIDDERS

NON-COLLUSIVE BIDDING CERTIFICATION

By submission of this bid, each bidder and each person signing on behalf of any bidder certified, and in the case of a joint bid, each party thereto certifies as to its own organizations, under penalty of perjury, that to the best of their knowledge and belief:

1. The prices in this bid have been arrived at independently, without collusion, consultation, communication or agreement, for the purpose of restricting completion, as to any matter relating to such prices with any other bidder, or with any competitor;
2. Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder prior to opening, directly, or indirectly to any other bidder or to any competitor; and
3. No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

I hereby affirm under the penalties of perjury that the foregoing statement is true.

Affix Seal If
Principal Is
Corporation

Legal Name of Person/Firm/Corporation
By _____

IF A CORPORATION

The following is a certified copy of resolution authorizing the execution of this certificate by the signature of this bid or proposal on behalf of the corporate bidder, resolved that _____ be authorized to sign and submit the bid or proposal of this corporation for the project on items described, herein, in the Notice to Bidders, and to include in such bid or proposal the Certificate as to Non-Collusion required by the Town of Cheverly, Maryland as the act and deed of such corporation, and for any inaccuracies of misstatement in such certificate this corporate bidder shall be liable under the penalties of perjury.

The foregoing is a true and correct copy of the resolution by _____
Corporation at a meeting of its Board of Directors held on the _____ day of _____, 20____.

Secretary

Seal of Corporation

GENERAL CONDITIONS

TOWN OF CHEVERLY

The General Conditions set out below shall apply to formal bid solicitations for the Town of Cheverly. Bidders are responsible for informing themselves of these requirements prior to submission of bids. Failure to do so will be at bidder's own risk, and pleas of error, or ignorance shall not be honored. Bidders seeking information regarding the General Conditions set forth below should contact the Town of Cheverly's Town Administrator.

I. Receipt of Proposals:

A. If received after the time specified for Public Bid Opening, formal bids, amendment thereto, or requests for withdrawal of bids will not be considered.

B. Properly marked bids received prior to the specified time of Public Bid Opening will be securely kept, unopened, by Town Administrator. The Town Administrator will determine when the specified time has arrived and, with the following exception, no bid shall be received thereafter. Should a bid arrive by mail after the designated opening time, but before the award is made, and if the Town Administrator is satisfied that the non-arrival was due to delay in the mails beyond the bidder's responsible control, it shall be received and considered.

C. No liability shall be attached to the Town or to its representative (s) for the premature opening of an improperly addressed or improperly identified bid.

D. Unless specifically authorized, telegraphic bids will not be considered. Modifications by telegram of previously submitted bids will not be accepted.

E. All bids shall be accompanied by a certified check or bank cashiers check equal to 5 percent of the amount of the bid made payable to the Town of Cheverly or a bid bond for this amount, as security for faithful performance.

The checks/bid bonds of all except the lowest bidder will be returned/released within 30 days after the opening of bids. The check/bond will be returned/released to the lowest bidder when the contract is executed. In the event that the bids are rejected, or the project shelved for any reason, the check/bond will be returned/released to the low bidder within 30 days therefrom.

Unless otherwise specified, all formal bids submitted shall be binding for 180 calendar days following the specified bid opening date, unless the bidder(s), upon request of the Purchasing Agent, agrees to an extension.

- F. The attention of persons intending to make proposals is specifically called to Article 3 of the contract Agreement wherein the bidder agrees that the bidder corporation and/or one of its principal agents legally able to sign and execute a contract has examined the Contract Documents and the site of the work and is fully informed from personal examination of the same regarding the quantities, character and location and other conditions affecting the work to be performed. Particular attention is called to special notes and specifications in the proposal which may contain contract requirements at variance with standard plans and specifications.

II. Bid Opening

A. Bidders are encouraged to attend the Public Bid Opening and offer constructive suggestions as to format or ways in which the Town may realize greater savings. Bids are available for public inspection subsequent to the Public opening. Abstracts and tabulations are not prepared for distribution. Bids are not subject to telephone recap unless the Town Administrator deems it to be feasible.

B. Unless otherwise specified by the Town, all formal bids submitted shall be binding for Town acceptance for thirty (30) days from the date of the bid opening.

III. Award or Rejection of Proposals

A. Bids shall be awarded to the lowest responsive and responsible bidder. Bidders (if applicable) may restrict bids to consideration in aggregate by specifically stating same in writing on the bid form. Bidders should, however, give unit prices where requested. Failure to do so may constitute an informality. Unless otherwise specified, the Town reserves the right: (1) to award in part or in whole, (2) to reject any or all bids, (3) to waive any information in the bids, and (4) to award so as to best serve the interest of the Town. The Town also reserves the right to reject the proposal of a bidder who has previously failed to perform properly or complete on time contracts of a similar nature, or a proposal of a bidder who, upon investigation shows is not in a position to perform the contract.

B. The bidder must supply all information required by the Invitation to Bid, Instructions to Bidders, Specifications, and Bid Forms. Failure to fill in all blanks may cause the bid to be disqualified.

C. A written notice of award (acceptance of bid) shall be provided to the successful bidder within the specified acceptance period. It shall be in the form of a letter or a purchase order, either; of which shall be deemed a binding contract without further action by either party. If a formal contract is required, it shall be written and issued for execution.

IV. Quotation

A. Bid prices must be net, including transportation and handling charges fully prepaid by the contractor to destination and subject only to cash discount for prompt payment of invoices.

B. Bid prices shall not include Federal, State, or Local taxes. The Town's Maryland State Tax Exempt Number is available from the Town Clerk.

C. When an error is made in computing the extension of total price(s), the unit price will govern. In the event of discrepancies between the prices quoted in the Proposal in words and those quoted in figures, the words shall control. The prices are to include the furnishing of all materials, plant, equipment, tools, etc. and indicating all other facilities, and the performance of all labor and services necessary or proper for the completion of the work, except such as may be otherwise expressly provided in the Contract Documents.

Bidders must submit any and all exceptions to conditions of the specifications in writing at the time of bid as part of the submission.

E. Specific requirements for bidding shall be incorporated in individual bid specifications, as required. Although performance bonds may not be directly addressed in the specifications, the Town reserves the right to require a performance bond at the time of the award.

F. Should a bidder find discrepancies in, or omissions from the, if applicable, drawings and/or contract Documents, or should the Bidder be in doubt as to their meaning, the Bidder should at once notify the Town's agents in writing before any bidding occurs on the omission, discrepancy or if applicable, drawings, who may, upon receiving the written statement, send a written instruction to all Bidders.

No oral interpretation shall be made by any Bidder and/or to any Bidder as to the meaning of any of the Contract Documents. Every request for interpretations shall be in writing to the Town's Agent.

V. Product Sample

When required in bid specifications, samples shall be delivered to the Town Administrator at the bidder's expense by the date specified in the bid documents. In no case shall said item be later than the bid opening. Samples shall be removed by the bidder at his own expense within thirty (30) days after written notice to do so. Failure to do so may result in the storage of the property at the bidder's risk and expense, or its declaration as abandoned property subject to disposal.

VI. Standards of Quality, "or Equal Clauses"

Any catalog, brand name, or manufacturer's reference used in a bid invitation is descriptive, and shall be deemed to include "an equal." Bidders submitting equal substitutions will be considered provided the bidder submits a complete description of same and notes any and all variations from the specified brand in sufficient detail to support equal quality, equal capability, and equal durability to enable the Town to judge whether or not all requirements are met. If such information is not provided, like brands will be considered non-responsive. Otherwise, it shall be understood that the specified brand will be furnished.

VII. Purchaser's Right of Rejection

The Town Reserves the right to accept proposals by items or as a whole, or at its discretion, reject any and all proposals and re-advertise. The Town of Cheverly reserves the right to increase or decrease the estimated quantities. The Town also reserves the right to reject any and all proposals which comply with these specifications, or to accept a higher bid which complies, provided that, in the judgment of the Town Administrator, the items offered under the higher bid have additional values or functions which justify the difference in price.

VIII. Delivery and installation

Delivery of merchandise must conform to the instructions in the bid specifications and/or in the applicable notice of award or purchase order(s). Equipment deliveries shall not exceed 120 days – Construction shall not exceed 300 days.

IX. Billing and Payment

Bills must be submitted in duplicate. Original and one copy shall be forwarded to the Town of Cheverly. Payment will be made only upon final acceptance by the Town. Partial shipments/installation will be accepted but invoices will not be approved for payment until all articles, on any given purchase order, or delivered and accepted. Payment will be arranged within thirty (30) days after complete delivery of items on a given order.

X. Reservations and Annulments

A. The right is reserved the Town to reject bids for any and all items, and/or waive technical defects if in its judgment the interest of the Town is better served.

B. The Town also reserves the right to annul any contract, if in its opinion there shall be a failure, or anytime, to perform faithfully any of its stipulations, or in case of any willful attempt to impose upon the Town materials, products and/or workmanship inferior to that required by the contract, and action taken in pursuance of this latter stipulation shall not affect or impair any rights or claims of the Town to damages for the breach of any covenant of the contract by the contractor.

C. Should the contractor fail to comply with the conditions of this contract or fail to complete the required work within the time stipulated in the contract, except for circumstances beyond his control, including but not limited to an Act of God, war, flood, governmental restrictions and inability to obtain transportation, the Town reserves the right to purchase the required articles from the open market, or to complete the required work at the expense of the Contractor, and to withhold all money that may be due or become due and apply same to any incurred expenses to the Town that may be consequent on the Contractor's failure.

D. Should the contractor be prevented from furnishing any item or items, or from completing the required work included in this contract by reason of such failures caused by circumstances beyond his control, including but not limited to an Act of God, war, flood, governmental action, and inability to obtain transportation, the Town reserves the right to withdraw such items or required work from the operation of this contract without incurring further liabilities on the part of the Town thereby.

XI. Sub-contractors

A. The contractor shall give his personal attention constantly to the faithful execution of this contract, shall keep the same under his control, and shall not assign by power of attorney or otherwise, sublet the work or any part thereof without the previous consent of the Town's Administrator in writing of such sub-contractor he intends employing, the portion of the material to be furnished, his place of business, and such other information as the Town Administrator may require.

B. The contractor shall not legally or equitably assign any of the monies payable under the contract, or its claim thereto, unless by and with consent of the Town's Administrator

XII. Compliance with Specifications

The Contractor shall abide and comply with the true intent of the specifications and not take advantage of any unintentional error or omission, but shall fully complete every part as the true intent and meaning of the specifications, as decided by the Town's Administrator and as described hereinafter.

XIII. Responsibility for Supplies Tendered

The contractor shall be responsible for the materials or supplies covered by this contract until they are delivered at the designated point, and the Contractor shall bear all risk on rejected materials or supplied after notice of rejection. Rejected materials or supplies must be removed by and at the expense of the contractor promptly after notification of rejection. Upon failure to do so within ten (10) days after date of written notification, the Town may return the rejected materials or supplies to the contractor at his risk and expense.

XIV. Inspection

Inspection and acceptance of materials or supplies will be made after delivery at the destination herein specified unless otherwise stated. Final inspection and acceptance or rejection of the materials or supplies will be made as promptly as practicable, but failure to inspect and or reject materials or supplies shall not impose liability on the Town for such materials or supplies that are not in accordance with the specifications.

XV. Bidder's List

In an attempt to keep the prospective bidder's List current, bidders are asked to respond to all bid specifications. If the response is a "no bid" the bidder is requested to explain his reasons for not bidding. Failure to respond to three consecutive Invitations to Bid may result in the deletion from the bidder's List.

XVI. Conflict of Interest

No employee of the Town shall be admitted to any share or part of this contract or to any benefit that may arise thereafter.

XVII. Contract

A. The proposal, with respect to all items accepted and all papers accompanying the same, including the schedule and continuation sheets, if any, the specifications, the Instructions to the bidders, these General Conditions, and other papers and documents referred to in any of the foregoing including lease or purchase agreements and service contracts, shall constitute the formal contract between the bidder and the Town of Cheverly.

B. The foregoing conditions shall be binding on all sealed bid solicitations unless specifically deleted or amended by reference within the bid documents.

INSTRUCTIONS TO BIDDERS

1. Equipment furnished under these specifications shall be basically the manufacturer's current conventional design, complete with all the necessary operating manuals, parts manuals, shop and preventative maintenance manuals, and other manuals pertinent to the vehicle.
2. All equipment furnished must comply with all Federal, State, local laws, and codes and regulations applicable to normal operation.
3. Warranty certificate must be provided with each unit delivered and it is to be effective the day the Town accepts the unit(s).
4. Warranty shall either be described in full or a copy submitted with the bid.
5. Following each individual specification; Check the "Y" if the item you are bidding meets or exceeds the specification, check the "N" if the item you are bidding does not meet and is less than what has been specified.

Cab to be painted Red	Y_____	N_____
Paint Frame Black	Y_____	N_____
Under coat cab and frame with Ziebart or equal	Y_____	N_____
All crimp style wire connection are to be of the heat shrink Design to ensure moisture resistant connections	Y_____	N_____
All electrical junction boxes must be weatherproof Utilizing gaskets	Y_____	N_____
All wiring to be color coded to SAE ATA standards	Y_____	N_____

WAGE RATES

The Contractor specifically agrees to conform to all provisions of the Federal Labor Law and of the State of Maryland as applicable to the employment of labor at the site of the project.

EXTENDED WARRANTIES

Bidders are to provide information regarding their warranties. The Town considers long term extended warranties important and they could be considered in awarding the bid.

EXTENDED WARRANTY OPTION #1

Covers: _____

Cost with deductible: \$ _____ Deductible amount: \$ _____

Cost without deductible: \$ _____

Mileage or months that plan covers: _____

AFFIDAVITS

Name and Address of Bidder:

The above named Bidder affirms and declares:

1. That said Bidder is of lawful age and the only one interested in this bid; and that no person, firm or corporation other than hereinabove named has any interest in this bid, or in the contract proposed to be entered into.
2. That this bid is made without any understanding, agreement, or connection with any other person, firm, or corporation making a bid for the same material, supplies, or equipment, and is in all respects fair and without collusion or fraud.
3. That said Bidder is not in arrears to the Owner upon debt or contract, and is not a defaulter, as surety or otherwise, upon any obligation to the Owner or an municipality in the State of Maryland.
4. The said bidder has carefully examined the site of the work, that from said Bidder's own investigations, said Bidder has satisfied itself as to the nature and location of the work, the character, quality and quantity of existing materials, and all difficulties likely to be encountered, the kind and extent of equipment and other facilities needed for the performance of the work, general and local conditions, and all other items with may, in any way, affect the work or its performance.
5. One acceptance of this proposal for said work the undersigned does or do bind the person or persons to enter into written contract with the owner as specified in the "Instructions for Bidders".
6. In default of the performance of any of the conditions required in making this bid, the undersigned agrees that the certified check/bid bond which is herewith deposited with the Owner shall be retained by the Owner as liquidated damages for such default or fraud, otherwise the check/bond will be returned to the successful bidder as noted in the "Instructions for Bidders".

Legal name of person, firm or corporation making bid:

BY: _____

(Title of person signing)

AFFIDAVITS

(Continued)

NOTES

1. Where a bidder is a firm, the bid must be signed in the name of the firm by a member of the firm, who must sign that the member's own name immediately thereunder, as A.& B Company, by C.A. Partner.
2. Where a bidder is a corporation, the bid must be signed in the name of the corporation by some duly authorized officer or agent thereof having knowledge of the matters stated in the bid, and such officer or agent shall also subscribe said person's own name, as: A.B. Company, by D.C., President, and the seal of the corporation must be affixed.
3. The bid must be sworn to by the person signed it, in one of the following forms:

(Continued)

STATE OF MARYLAND)
) ss:
COUNTY OF PRINCE GEORGE'S)

I am the person described in and who executed the foregoing bid and the several matter therein stated are in all respects true.

(Notary Public)

STATE OF MARYLAND)
) ss:
COUNTY OF PRINCE GEORGE'S)

_____ the firm described in and which executed the foregoing bid. I subscribed the name of the firm thereto on behalf of the firm, and the several matters therein stated are in all respects true.

(Notary Public)

17

(Continued)

STATE OF MARYLAND)
) ss:
COUNTY OF PRINCE GEORGE'S)

_____ being duly sworn, says:

I am _____ of _____ Corporation, the above named corporation whose name is subscribed to and which executed the foregoing bid. I reside at _____.

I have knowledge of the several matters therein stated, and they are in all respects true.

Signature of person who signed the bid

Subscribed and sworn to before me: this _____ day of _____, 20____.

(Notary Public)

COUNTY OF: _____

ANNOTATED CODE OF MARYLAND

The bidder, in submitting the proposal, agrees that the provision of the Annotated Code of Maryland, which is hereby incorporated herein by reference, applies to this contract, and that parties expressly covenant and agree that they and this contract are fully subject to the provisions of the said laws, specifically:

1. All foreign corporations doing business within the State of Maryland are required to be registered with the State Department of Assessment and Taxation. In order to be eligible to contract with the Town, compliance with this law is mandatory.
2. Bidders are required under Article 56, Section 180, Annotated Code of Maryland, 1957 Edition, to show evidence of certificate of registration before The bid may be received and considered on a general or subcontract of \$20,000.00 or more. The bidder shall place on the outside of the envelope Containing the bid over the bidder's signature the following notation:

Registered Maryland Contractor No. _____

IMPORTANT

**NOTE: PAGES _____ THROUGH _____ MUST BE FILLED OUT
OR THE BIDS MAY BE REJECTED.**

Cab Specifications

It is the intent of these specifications to describe the minimum requirements for a cab where a 29 Yard refuse body can be installed and be operational on the day of the delivery..

Bidders must check all line items under the columns marked – “Comply or Alternate.” Alternates to the following specifications must be explained in detail. Alternates must be detailed on a separate page and referenced to the appropriate section number. Failure to furnish this information may be cause for rejection of the bid. Manufacturers’ brochures will not suffice.		
	Comply	Alternate
1.0 VEHICLE CONFIGURATION		
1.1 Low Cab Forward Truck		
1.2 Single Left Hand Drive		
1.3 Unit must be manufactured in the USA		
1.4		
1.5		
1.6		
1.7		
2.0 TRUCK SERVICE		
2.1 Refuse/Trash Collection/Recyclables		
2.2 Rear Loader Leach		
2.3 Chassis bidder responsible for working with winning body bidder to ensure compatibility		
2.4		
2.5		
2.6		
2.7		
3.0 ENGINE		
3.1 CUMMINS 2013 ISL-345hp @ 2100 RPM/1150 FT-LBS-No exceptions		
3.2 Ultra Low sulfur Diesel fuel		
3.3 Must be a 2013 compliant engine or the latest demands Federal/Demands		
3.4		
3.5		
3.6		
3.7		
4.0 ENGINE EQUIPMENT		
4.1 50 State certified diesel engine		
4.2 ENGINE ELECTRONICS---Cummins Diesel		
4.3 ENGINE IDLE SHUTDOWN---Engine idle shutdown enabled—5 minutes		
4.4 ENGINE PROTECT SYSTEM/WARNINGS---Audible/visual alarm: LOP.HT, LWL		
4.5 FILTER-FUEL, ---Fleetguard fuel/water separator		
4.6 ENGINE OIL SAMPLING PORT		

4.7 ENGINE BLOCK HEATER---Phillips 120V 1000 Watt		
4.8 HEATER RECEPTACLE LOCATION---Receptacle located at cab steps, RH side		
4.9 FAN & DRIVE – ENGINE---Fan clutch, 2 speed		
4.10 RADIATOR – 1300 sq. in. single radiator w/Extended life coolant		
4.11 AIR CLEANER---15” one stage EPG cleaner-Donaldson		
4.12 MUFFLER SYSTEM---Horizontal DPF w/ LH Vertical SCR		
4.13 EXHAUST SHIELDS---DPF & SCR shields		
4.14 EXHAUST STACKS---on LH side w/vertical diffuser, single stainless steel		
4.15 ENGINE/EXHAUST COVER---aluminum turbo/exhaust pipe debris shield		
4.16 AIR COMPRESSOR---Cummins Wabco 18.7 cfm compressor		
4.17 ALTERNATOR---Delco Remy 12V 130 amp 22SI		
4.18 BATTERY---(3) Johnson Control 31ECL 12V 2850CCA		
4.19 STARTING MOTOR---Delco Remy 12V 39MT W/OCP		
4.20 RH mounted Urea tank-- 10 gallon		
5.0 TRANSMISSION		
5.1 VOCATION---RDS Refuse—VOC 400-XXX (for rugged duty)		
5.2 CONTROL MODULE---Basic refuse GRP105, VP142		
5.3 TRANSMISSION---Allison 4500 Series, 6-speed		
5.4 COOLER-TRANSMISSION OIL---oil to water type		
5.5 TRANSMISSION LUBRICANT---Transynd synthetic auto trans fluid		
5.6 DRIVESHAFT-MAIN---Spicer 1760HD half round		
5.7 Front Mount PTO provisions		
6.0 FRONT AXLE AND EQUIPMENT		
6.1 FRONT AXLE---Steer Axle, 20,000 # capacity w/45 degree wheelcut		
6.2 FRONT SUSPENSION---Taper leaf reduced ride height 22,000 springs.		
6.3 SHOCK ABSORBERS FRONT---Double acting single—heavy duty		

6.4		Comply	Alternate
6.5	POWER STERRING RESERVOIR---Four quart remote mounted		
6.6			
6.7			
7.0	REAR AXLE AND EQUIPMENT		
7.1	REAR DRIVE AXLE---Tandem Arvin Meritor RT46-160, 4.89 ratio		
7.2	REAR SUSPENSION---Haulmaxx 46,000#, no exceptions		
7.3			
7.4			
7.5			
7.6			
7.7			
8.0	BRAKE SYSTEM		
8.1	BRAKE CONTROL SYSTEM---Bendix ABS		
8.2	BRAKES-FOUNDATION, FRONT AXLE---Arvin Meritor 16x6 QP		
8.3	BRAKE, SLACK ADJUSTER---Arvin Meritor, Automatic		
8.4	DUST SHIELDS---Front and Rear brakes		
8.5	BRAKES-FOUNDATION, RR AXLE---Arvin Meritor 16.5x7 Q Plus		
8.6	BRAKE CHAMBERS-PARKING---Cam type MGM Stopguard		
8.7			
9.0	CHASSIS		
9.1	WHEELBASE---215 or as as needed for tank and body installation		
9.2	FRAME RAILS---10.76" x3.50" x0.375"		
9.3	FRAME REINFORCEMENT---1/4" liner		
9.4	SECTION MODULUS---35.17		
9.5	RBM RATING---4.2 million		
9.6	FRAME BOLTS---Huckspin RR Susp and crossmembers		
9.7	FUEL TANK-Min 75 gallon Diesel mounting must be approved by the City		
9.8	TOWING DEVICE-FRONT---Two removable tow pins		
9.9	AIR DRYER---Bendix ADIP w/heat		
9.10	WET TANK DRAIN---Bendix DV-2 Automatic with heater		
9.11	AIR RESERVOIR DRAIN SYSTEM---Central air drain manifold		
9.12	BATTERY SHUT OFF SWITCH---Battery shutoff w/lockout		
9.13	WIRING, BODY INTERFACE---BODYBUILDER JUNCTION BOX @ BOC		
10.0	CAB EXTERIOR		
10.1	CAB MATERIAL---Two sided galvanized steel---entire cab		
10.2	CAB SIZE---120 Cubic feet interior room		
10.3	CAB VISIBLTY--FRONT---Wrap around windshield design		
10.4	CAB VISIBILITY---REAR---Rear corner windows---required for operational visibility		
10.5	DOOR HINGES---Provide fully adjustable door hinge, internally mounted --- not exposed to external elements		
10.6	STEP-CAB ACCESS---Single self cleaning entrance steps		

10.7 CAB DOORS---Steel		
10.8 POWER WINDOWS---dual electric windows		
10.9 MIRRORS---Dual MOTO, west coast, heated, LH & RH power control, bright finish		
10.10 MIRROR ARMS---Retractable arms—stainless steel		
10.11 MIRRORS—AUXILIARY---Two 8” convex, one above, one below, each side		
10.12		
10.13 GRAB HANDLES---Dual S/S grab handles		
10.14 HORN—AIR---Twin mounted under cab		
10.15 CAB TILT MECHANISM---Hydraulic tilt with air assist—minimum of 60-degree cab-tilt angle—required for servcability		
CAB INTERIOR		
11.1 STEERING-Single L/H steer		
11.2 SEATS-----Air ride National Cushion II low back w/Cordura cover		
11.3 CLIMATE CONTROL---Air conditioning integral with heater/defroster-Roof mount not acceptable		
12.0 GAUGES & INSTRUMENTATION		
12.1 ELECTRONIC TACHOMETER W/HOUR METER		
12.2 ELECTRONIC ENGINE OIL TEMP.		
12.3 ELECTRONIC TRANSMISSION OIL TEMP.		
12.4 ELECTRONIC REAR AXLE LUBE TEMP.		
12.5 ELECTRONIC VOLTMETER		
12.6 ELECTRONIC ENGINE COOLANT TEMP GAUGE		
12.7 ELECTRONIC ENGINE OIL PRESSURE GAUGE		
12.8 ELECTRONIC FUEL LEVEL GAUGE		
12.9 ELECTRONIC SPEEDOMETER W/ODOMETER		
12.10 LOW AIR SYSTEM PRESSURE WARNING BUZZER AND LIGHT		
13.0 LIGHTING		
13.1 LAMPS-TURN SIGNAL, FRONT---LED front turn signals		
13.2 LAMPS-MARKER---Amber LED roof markers		
13.3 LAMPS-PARKING---Corner marker lamp wired to battery shut off		
13.4 LAMPS-RUNNING---Daytime without park brake de-activation		
13.5 CIRCUIT PROTECTION DEVICE---Auto circuit breakers		
13.6 Flashing yellow LED strobe light mounted on top of cab		
13.7 Interior Dome Light		
14.0 RADIO/MISC		
14.1 KEY AND LOCK SETS---2 additional keys per truck—4 total		
14.2 Power leads and mounting plate for the installation of TWO Radio		
14.3 RADIO---AM/FM radio, roof mtd. With 2 dual cone speakers		
14.4 FIRE EXTINGUISHER---Dual Dry type ABC 5lb. cap. Mtd in cab under seats		

14.5	Comply	Alternate
14.6		
14.7		
15.0 FRONT TIRES/ WHEELS		
15.1 HUB CAPS---CR Zytel hubcap		
15.2 WHEEL OIL SEALS---Scotseal Plus XL—front and rear		
15.3 HUBS FRONT---Steel hub piloted, 285MM bolt circle		
15.4 WHEELS-DISC-FRONT---22.5 x9.0 Alum 3.12 inset for max turning angle		
15.5 TIRE SIZE 7 LOAD RANGE-FRONT---315/80R22.5 L-20PR tubeless type radial		
15.6 TIRE MANUFACTURER& TREAD-FRONT---Goodyear G289 or approved equal—rated to 10K		
15.7		
16.0 REAR TIRES/ WHEELS		
16.1 HUBS-REAR---Iron hub, HP 10 stud		
16.2 WHEELS, DISC-REAR---22.5 x 8.25 Steel		
16.3 TIRE SIZE & LOAD RANGE---11R22.5 16 ply		
16.4 TIRE MANUFACTURER AND TREAD-REAR---Goodyear G182 or approved equal		
16.5		
17.0 PAINT		
17.1 SINGLE COLOR PAINT to City's specifications RED		
18.0 ADDITIONAL OPTIONS		
18.1 CHASSIS WARRANTY---Min 1 year complete cab & chassis		
18.2 TRANSMISSION WARRANTY---Allison 5 year Edge warranty		
18.3 Engine warranty—2yr base engine warranty		
18.4 ENGINE WARRANTY---5 yrs/150,000 miles to include turbo and injectors		
18.5 Cost of available maintenance warranty		
20.0 MANEUVERABILITY---Bidder to include turning radius of truck as specified---REQUIRED		
21.0 Operations, Maintenance and Shop Service Manuals for the vehicle and all components in books Or CD's		

BID SPECIFICATIONS FOR 29 CUBIC YARD HIGH COMPACTION REAR LOADING BODY

It is the intent of these specifications to describe the minimum requirements for a refuse collection body of the rear loading design. The capacity of the refuse body shall be 29 cubic yards, exclusive of tailgate.

The refuse body described shall meet the minimum specifications that follow. All bidders shall attach a statement that the unit offered meets exactly, or exceeds these specifications, or list any exceptions fully and accurately.

The successful bidder shall supply features, which are regularly furnished as standard with this unit. The body shall conform in strength, quality of material and workmanship to that provided by the best manufacturing and engineering practices of the industry.

The bidder shall represent by his bid that all equipment is new and unused.

It is required that the unit, as specified herein, shall be completely assembled, painted red, and ready for operation.

	Comply	Alternate
1.0 GENERAL		
1.1 Refuse body to be a minimum 29 cubic yards capacity, exclusive of the hopper		
1.2 Packer body shall be capable of packing 1,000 lbs. per Cubic yard, based on average household refuse.		
1.3 Packer body must meet all applicable ANSI Z-245.1 Safety Standards		
2.0 BODY CONSTRUCTION		
2.1 The roof and side sheets are to be one piece, 11ga 80,000-PSI minimum yield strength steel throughout with no seams		
2.2 Roof and sides are to be joined together by a one-piece formed corner: ¼" 50,000 PSI minimum yield strength steel.		
2.3 Body sides and roof must be curved design		
2.4 Body must incorporate a longitudinal center floor-trough running the entire body length. The floor trough is to be constructed of a minimum 5/16" 50,000-PSI yield strength steel. Flat floors not utilizing a floor-trough will not be considered.		
2.5 The floor sheets shall have a thickness of ¼" and be made out of 50,000-PSI minimum yield strength steel. The floor sheets are to have a formed flange, minimum 5-11/16" tall, that ties into side sheet.		

	Comply	Alternate
2.6 the floor support braces to be constructed of ½" x 6" steel bar 36,000 PSI yield strength, and must run from the center floor trough outward.		
2.7 A steel, side hinged, access door located at the left front corner of the body, at floor level, is to be provided. Opening is to be a min. 30" x 32.5". Door to incorporate latch and locking mechanisms.		
3.0 BODY DIMENSIONS		
3.1 The inside height from bottom of floor-trough to center of roof sheet is to be no less than 90-7/8".		
3.2 The overall height of body above the chassis frame is not to exceed 93-1/2" (no mounting sills)		
3.3 The maximum inside width is to be no less than 90".		
3.4 The outside width is to be no more than 96".		
4.0 EJECTION SYSTEM		
4.1 Unloading by full ejection method only. Dumping or rising of the body is not acceptable. Control level for ejection is to be located at the front, left side of the body.		
4.2 The ejection cylinder shall be telescopic consisting of multiple stages. A variable (adjustable) externally piloted resistance valve, which controls packing density and cylinder retraction, must be incorporated in the ejector panel/tailgate lift, two spool valve assembly. No portion of the ejection forces shall be directed toward the body floor (downward).		
4.3 The telescopic ejection system hydraulic cylinder must angle upward from its front mounting location to avoid forces being directed into the floor. Telescopic ejection cylinders mounted downward or horizontally are not acceptable. The case end of the cylinder must be attached to the ejection panel with full style bearing housings for easy removal and be secured approximately half way up the panel to counter the tipping forces applied to the ejection panel by the tailgate packing mechanism.		
4.4 The ejector panel face sheet is to be minimum 3/16" thick, 50,000-PSI steel. The panel must withstand the packing mechanism forces and the ejection of highly compacted refuse		
4.5 The ejector panel is to travel the length of the body and be equal in area to the cross section area of the body.		

	Comply	Alternate
4.6 The ejector panel must be designed to act as a bulkhead against which refuse is compressed and incorporate a “diamond-shaped deflector structure” which enhances compaction by directing material entering from the packing mechanism toward the upper corners of the body.		
4.7 The ejector panel shall travel on four 10-1/2” long poly shoes on the lower panel guide and four 9-7/8” long poly shoes on the upper panel guide. These guides must be replaceable without removing the ejection panel from body.		
4.8 At no time may any portion of the ejector pane, when in its rearmost position, extend beyond the plane of the rear body opening.		
5.0 TAILGATE		
5.1 The tailgate is to be top hinged to the body at the roofline utilizing cast steel hinges. It is to be raised for load ejection by two, 4” bore, single acting “RAM style” cylinders mounted on the outside of the tailgate. Cylinders shall contain a restricting mechanism to prevent rapid descent of the tailgate and be manufactured with chrome-plated rods for added durability.		
5.2 The tailgate is to be held in the closed position by two double lead thread screw clamps, one on each side of the tailgate. Clamps are to be equipped with a fast spin handle.		
5.3 Two tailgate props (one each side) externally mounted shall be furnished. Tailgate to be open a minimum of 24”, when in the propped position.		
5.4 An extruded rubber gasket is to be affixed to the tailgate to provide a watertight seal between the body and tailgate. Sealing must be effective up to a minimum height of 49”.		
5.5 Bolt-on riding steps are to be provided on each side of the tailgate, and 1” min. diameter grab handles will be located in a convenient place for rider safety. The steps must be made of grip-strut open grate material and allow for a 3-1/4” vertical adjustment. Step must comply with ANSI standards.		
5.6 the tailgate shall be equipped with a “tailgate ajar” switch with an indicator light in the cab. The purpose of this light is to indicate to the driver that the tailgate is not completely closed. The “tailgate ajar” switch with light must comply with ANSI safety standards.		
5.7 Tailgate top sheets are to be two-piece poly (for ease of removal no tools required) and secured by quick release type fasteners.		

5.8	The tailgate-loading sill must be 5" below the chassis frame after mounting.		
5.9	Control lever for the tailgate life is to be located at the front, left side of the body		
6.0	HOPPER		
6.1	Hopper floor is to be ¼" 1000,000 PSI minimum yield strength steel.		
6.2	The hopper sides to be ¼" 50,000 PSI minimum yield strength steel.		
6.3	Inside hopper width is to be a minimum of 80"		
6.4	The hopper opening is to be a minimum of 80" wide by 56" high.		
6.5	The hopper capacity is to be a minimum of 3.5 cubic yards		
6.6	The total cycle time is not to exceed 24 seconds.		
6.7	Hopper bottom to incorporate a minimum of three (3) external longitudinal flat bar reinforcing members. Each bar to be ½" thick and 4" wide.		
7.0	PACKING MECHANISM		
7.1	The packer faceplate is to be a minimum of ¼" 80,000 PSI yield strength steel.		
7.2	the carrier faceplate is to be a minimum of 3/16" 50,000 PSI yield strength steel.		
7.3	Minimum two (2) double acting, single stage, induction hardened, cushioned, 5.5" bore, packer plate cylinders.		
7.4	Minimum two (2) double acting, single stage, induction hardened cushioned, 5.5" bore, carrier plate cylinders.		
7.5	The packer and carrier plate cylinders must be mounted inside the tailgate and all four cylinders must be interchangeable with each other.		
7.6	The packing plate is to compact material into the body against the ejector panel and not into the forward portion of the hopper itself. Pre-crushing of material in the hopper is not acceptable.		
7.7	The upper carrier plate is to utilize rollers vs. slides for easy movement. Rollers are to be 5" diameter made from forged 4150 steel induction hardened to 57-60 "Rockwell C" and have grease fitting accessible from external roller access openings.		
7.8	When the packing mechanism reaches the interrupt position, the packer plate must stop approximately 16" above the loading sill to avoid a pinching action. The packing control handles must then be reactivated to complete the cycle. The packing control handles must be able to stop or reverse the packing mechanism at any position in the cycle.		

	Comply	Alternate
7.9 The packing plate shall be protected from overload by an independent packer (load edge stress sensing) circuit relief valve located at the operating valve.		
8.0 HYDRAULIC SYSTEM		
8.1 The hydraulic pump is to be a spur gear type with wear compensating side plates using hydraulic pressure to keep them properly tensioned and positioned to maintain a consistent fluid flow rate. Pump to be driven through a transmission mounted PTO.		
8.2 The capacity of the pump must not be rated at less than 42 gallons per minute at 12 rpm		
8.3 A factory sealed relief valve is to be set at a maximum of 2300 PSI		
8.4 There shall be an internally mounted 141-micron (100 mesh) suction strainer with built-in by-pass.		
8.5 A 10 micron return line filter, with a visual indicator to show when the filter is in a bypass mode, must be supplied.		
8.6 The hydraulic oil reservoir is to be located on the curbside, mounted on the body floor, and have an oil level sight gauge located for easy viewing.		
8.7 The hydraulic lines on the body roof must run from front to rear at a point that is below the roof crown, to keep them from being the highest part of the unit.		
8.8 The hydraulic oil reservoir is to have a combination filler/breather cap with 10-micron air filtration		
8.9 The hydraulic oil reservoir shall supply adequate capacity to run all functions on the vehicle when on a 15% grade.		
8.10 All hydraulic cylinders are to operate without coming in direct contact with collected refuse.		
8.11 All hydraulic cylinder rods must be chrome plated to increase durability		

<p>8.12 The hydraulic system shall contain the following cylinders:</p> <p>A. Two packer plate and two carrier plate cylinders-5-1/2" bore double acting, cushioned, with a stroke of 30-5/16". These four cylinders must have fully welded hydraulic fittings and must be interchangeable with each other. The cylinder rods must be induction hardened to a minimum 55 Rockwell "c".</p> <p>B. Two tailgate lift cylinders – 4" bore, single acting "RAM style", with a stroke of 32-11/16".</p> <p>C. Telescopic Ejection cylinder 29 yard = 6-3/4", 5-1/2", 4-1/2", 3-1/2" Bores; 147-7/8" Stroke</p>		
<p>8.14 All hydraulic tubing to be zinc and yellow chromate plated. Must pass 100-hour salt spray.</p>		
<p>8.15 A manually operated control valve assembly utilizing direct mounted handles for ejection and tailgate lift is to be provided. This valve is to be located at the left front corner of the body. The valve is to incorporate the main system relief valve, which is set and sealed at a maximum pressure of 2300 PSI.</p>		
<p>8.16 At no time shall control handles be inaccessible due to chassis components or configurations.</p>		
<p>8.17 The packing mechanism-operating valve shall be a two-spool stack style hydraulic valve and incorporate self-contained pressure release detent end cap assemblies.</p>		
<p>8.18 For ease of access, the valve assembly is to be located at the right hand side of the tailgate. The hydraulic valve work ports must point upward for ease of service. Also, all hydraulic lines going to the main valve must be isolated by bulkhead style connections form all moving hydraulic lines.</p>		
<p>9.0 CONTROLS</p>		
<p>9.1 The manually operated controls for the packing mechanism are to be located curbside at the rear of the tailgate. An automatic throttle advance must be provided. The dual lever controls must have the capability of stopping, starting, and reversing the parking mechanism. To avoid possible damage form rubbish, the dual lever control rods must be located outside the hopper.</p>		

9.2	A push-button switch that activates a buzzer in the cab is to be provided on both sides of the tailgate to signal the driver.		
9.3	The tailgate life and ejector controls, complete with a manually operated engine speed-up switch, are to be located at the left front corner of the body.		
9.4	PTO/pump controls are to be mounted inside the cab.		
10.0	LIGHTING & ELECTRICAL		
10.1	Body lighting must comply with FMVSS#108 regulations		
10.2	For maximum visibility a light panel above the hopper must also be provided, consisting of two 4" red stop/tail lights, two 4" amber turn signal lights, three individual I.D. lights, and one license plate bracket with light. All lights to be grommet mounted except utility and license plate lights.		
10.3	Wiring to be enclosed in a pre-assembled sealed harness to meet SAE spec. J22223-1-2-3.		
10.4	All electrical locations are to be within the body structure & must be weatherproof. Meeting SAE spec.J2202. All junction locations are to be located so no overhead access is required.		
10.5	All wiring to be color-coded and labeled		
10.6	A back-up alarm conforming to current ANSI standards must be provided. The alarm must also sound when the tailgate is not closed.		
11.0	PAINTING		
11.1	All metal burrs, weld residue and rough areas are to be ground off to a clean, smooth surface.		
11.2	All body surfaces to be thoroughly washed with an iron-phosphate-based steam cleaning solution.		
11.3	A coat of two-part epoxy, rust-inhibiting primer is to applied to all metal surfaces.		
11.4	A high glass two part polyurethane topcoat is to be applied. Color is to be RED		
11.5	Top finish coat is to be baked on.		
12.0	MOUNTING		
12.1	Mounting is to be done at the factory of the body manufacturer.		

OPTIONS		
<p>1 A hydraulically powered container-lifting device, shall be mounted to the body roof. The reeving Cylinder shall have a 12,000# lift capacity, and be capable of emptying commercial containers of up to 10 cu yd. capacity.</p> <p>2 A set of container latches and ears for securing the container while it is being emptied into the hopper, shall be installed on the rear of the tailgate.</p> <p>3 An adjustable container stop bar, a top light guard, and a cable roller guide assembly shall also be furnished.</p> <p>4 A single lever control for the Reeving Cylinder shall be mounted to the rear curbside of unit.</p>		
CONTAINER PUSH BAR ATTACHMENT		
<p>1 A container push bar attachment is to be mounted to tailgate, capable of emptying commercial containers of up to 3 cu yd capacity.</p> <p>2 A set of container latches and ears for securing the container while it is being emptied into the hopper, shall be installed on the rear of the tailgate.</p> <p>3 An adjustable container stop bar and a top light guard shall also be furnished.</p> <p>4 A single lever control for the container push bar shall be mounted to the rear curbside of unit.</p>		
HEAVY DUTY PACKER PLATE		
<p>1 Packer plate shall be designed for heavy-duty commercial use</p> <p>2 Packer face plate is to be ¼", 80,000 PSI yield steel with heavy duty reinforcing channels made from 3/16" thick steel.</p> <p>3 A formed channel 10" wide and 7-9/16" high shall run between the two packer panel cylinder towers.</p> <p>4 Two additional formed steel channels shall run from the 10" wide channel to the packer plate cutting edge.</p>		

COMMERCIAL PACKAGE			
1	The Commercial Tailgate is to have a ½" 100,000 PSI yield steel hopper floor and a 3/16" grade 80-partition sheet.		
2	The Commercial Package shall include a heavy-duty packer plate, full center bearings, and ramp liners.		
PTO to be Hot Shift Single rotary cart lifter, center mount Hopper Light (2) 5" spotlights outside hopper (2) Oval LED strobes Front (2) Oval LED strobes Rear 3 rd eye color rear vision camera Grab Handle & ladder to side door.			

Preparing and Submitting Bids

All bids must be handwritten or typed in black ink on the attached "Bid Submittal Form." The completed form shall be placed in front of and separated from all other documents included and requested in the bid packet, such that it becomes the first document viewed upon opening the packet.

Bid submitted in pencil and/or bids not submitted on the **Bid Submittal Form** will not be considered. All bids shall include a current catalog or model specification document for the equipment model number being offered for consideration. Bids submitted without such documentation will not be considered. Only information contained on the attached bid form and in the model specification documents will be considered in evaluation bids.

Each separate requirement in the Bid Specification includes a block for indication whether or not the item bid meets the requested specifications. The bidder shall indicate "compliance: with each requirement by indication "YES" or "NO".in the block provided to the right of the specification. In addition, the bidder shall indicate the page number in the supplied manufacturers' equipment literature on which compliance with the specifications can be verified. Failure to complete this portion of the bid form can in the subject bid not being considered.

Each bid for the one or more of the heavy equipment items included in the bid package must be submitted on the Bid Submittal Form for that item and forwarded as necessary in a separate envelope with the bid item clearly identified on the outside of the envelope. Envelopes containing a "NO BID" shall also include the "NO BID" on the outside of the envelope. Facsimiles and/or email will not be accepted. Bids submitted by "overnight Express" must also be in a separate inner envelope or package sealed and identified as stated above. All bids must be received at the municipal building office prior to the bid opening.

Bidders are reminded that the Town reserves the right to require a performance bond,

All bids should be mailed or hand delivered to:

Town of Cheverly, MD
6401 Forest Road
Cheverly, MD 20785
Att. David W. Warrington, Town Administrator

Please note each piece of the heavy equipment available for bid may include several different sizes and categories of machines. You should read the specifications carefully to ensure no discrepancies or omissions that may render useless the intent of the Bid.

Payment Options:

1- Price in full delivered in accordance with all specification and without omissions:

\$ _____

2- Financing sixty month option:

Interest rate: _____

Monthly Cost: \$ _____

3- Lease Purchase five years:

Interest Rate: _____

Monthly cost: _____

Yearly cost: _____

Contract Agreement

Town of Cheverly
Mayor and Town Council

This agreement, entered into this _____ day of _____, 20_____,
by the Town of Cheverly, Maryland hereinafter referred to as the "OWNER",
acting by and through the Mayor, Town of Cheverly, pursuant to the statute
and _____ a Corporation organized and existing
under the laws of the State of Maryland, _____ a
partnership consisting of _____ and
individual conducting business as _____
as _____ the location of whose
principal office is _____ hereinafter called the
"CONTRACTOR."

WITNESSETH, that the "OWNER" and the "CONTRACTOR", for the
consideration hereinafter name, agreed as follows